Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/10/2021 09:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124506	-1	1.21	124402	1.21
Blue	F	SSC	125000	123437	-2	2.31	123731	2.18
Blue	E	FITC	13131	12678	-4	2.27	293	15.11
Blue	D	PE	24112	23617	-3	1.67	541	10.92
Blue	B	PerCP-Cy5-5	31295	30508	-3	3	1011	14.83
Blue	A	PE-Cy7	19939	19714	-2	5.27	525	29.33
Red	C	APC	42122	41677	-2	2.94	1748	11.2
Red	A	APC-Cy7	22340	21648	-4	3.24	809	11.65
Violet	B	V450	7410	6904	-7	3.36	418	12.16
Violet	A	V500	28118	26537	-6	2.96	661	9.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23126	1.06	569	0	N/A	N/A	Pass
Blue	F	SSC	57439	1.06	518	6	N/A	N/A	Pass
Blue	E	FITC	55	53.22	486	-1	0.0465	147	Pass
Blue	D	PE	113	37.07	489	1	0.3811	275	Pass
Blue	B	PerCP-Cy5-5	186	36.22	585	-1	0.0187	41	Pass
Blue	A	PE-Cy7	106	67.21	628	0	0.0216	0	Pass
Red	C	APC	404	23.29	578	2	0.0289	159	Pass
Red	A	APC-Cy7	182	27.86	552	1	0.0064	1267	Pass
Violet	B	V450	60	60.89	454	1	0.0675	2342	Pass
Violet	A	V500	95	33.32	466	1	0.0270	737	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.74	-31.44	1.07
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	14.89	13.60 - 20.40	N/A	N/A	29.78	30.01	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9840

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments